Cytometer Performance Report

Cytometer:	FACSCantoII	User:	BDService
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/15/2020 11:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125631	0	2.70	125773	2.68
Blue	F	SSC	125000	124253	-1	2.30	125232	2.21
Blue	E	FITC	14203	13836	-3	2.25	300	14.96
Blue	D	PE	25703	25399	-2	1.78	551	10.01
Blue	B	PerCP-Cy5-5	42104	41692	-1	2.79	931	14.26
Blue	A	PE-Cy7	34646	34326	-1	4.07	488	28.90
Red	C	APC	49824	49163	-2	2.19	1509	11.00
Red	A	APC-Cy7	39773	39290	-2	2.08	743	11.04
Violet	B	V450	7447	7067	-6	3.88	391	12.58
Violet	A	V500	31193	30095	-4	3.66	683	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20121	4.52	544	-12	N/A	N/A	Pass
Blue	F	SSC	53887	1.73	512	0	N/A	N/A	Pass
Blue	E	FITC	56	50.63	486	0	0.0407	46	Pass
Blue	D	PE	110	37.06	486	1	0.4535	316	Pass
Blue	B	PerCP-Cy5-5	177	35.63	579	2	0.0202	72	Pass
Blue	A	PE-Cy7	113	61.47	622	2	0.0224	0	Pass
Red	C	APC	349	22.96	566	-1	0.0289	56	Pass
Red	A	APC-Cy7	206	23.72	543	-1	0.0069	888	Pass
Violet	B	V450	88	40.12	446	-3	0.0475	1442	Pass
Violet	A	V500	121	27.88	465	-2	0.0241	439	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.70	-32.49	1.04
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	22.54	15.99 - 23.99	N/A	N/A	30.93	31.11	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9501

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments